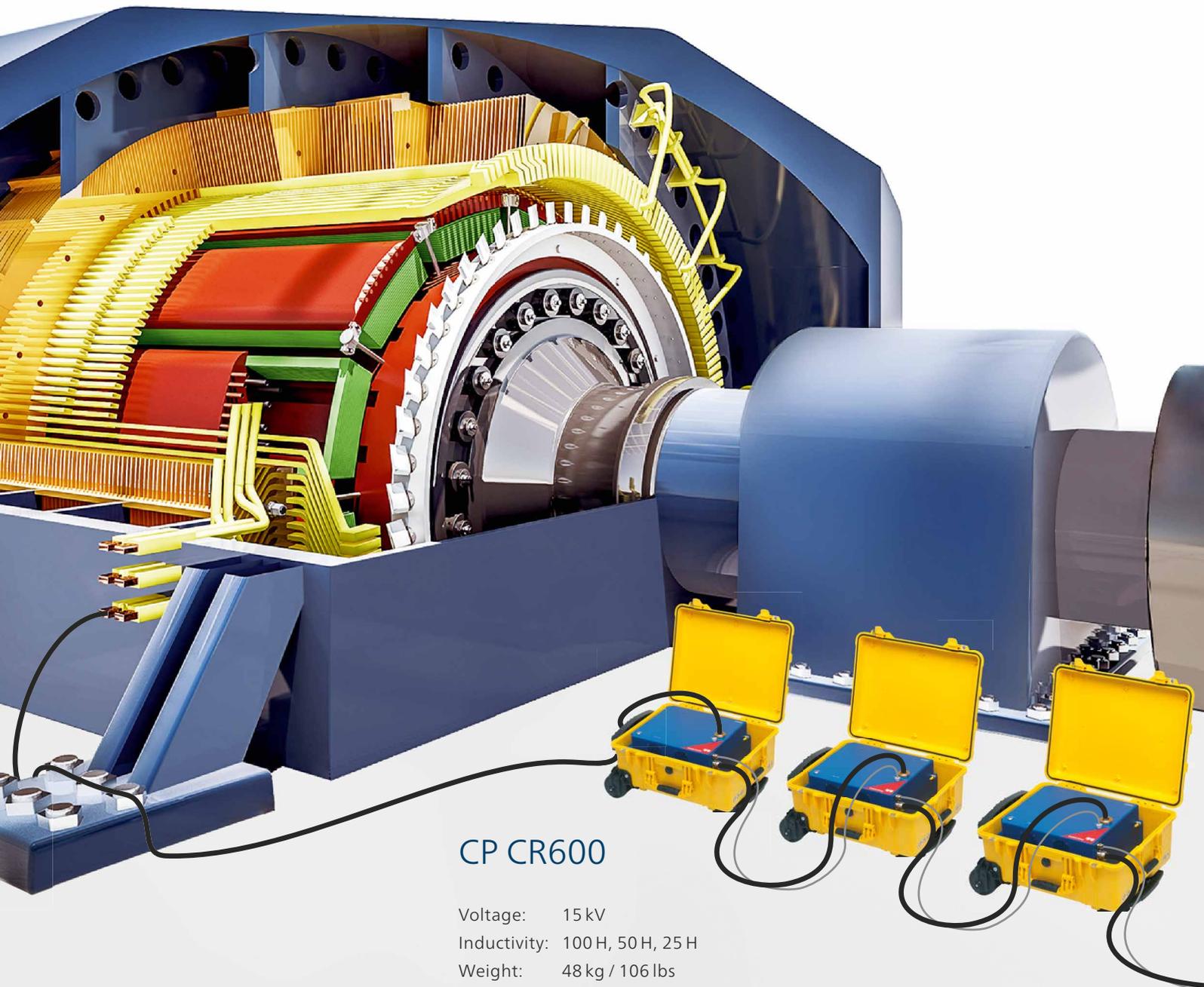


SMALLER, LIGHTER AND MORE POWERFUL

New solution for rotating
machines testing

Our new CP TD15 accessory is a powerful, portable and easy-to-use solution for off-line insulation testing on rotating machines. Fabian Oettl, our Rotating Machines Expert and Product Manager, describes the unique user advantages.

“Compared to the CP TD1, the new CP TD15 provides users with more power in a smaller and lighter device,” says Fabian. “The connection concept has also been improved to make testing easier and faster on rotating machines.”



CP CR600

Voltage: 15 kV
Inductivity: 100 H, 50 H, 25 H
Weight: 48 kg / 106 lbs

Powerful lightweight solution

The CP TD15 is used together with our new CP CR600 compensating reactor, which replaces the CP CR500, and our CPC 100 for testing the insulation of rotating machines. "The CP TD15 combines a high-voltage booster and a high-precision power/dissipation factor measurement module and it generates test voltages of up to 15 kV," describes Fabian. "The CP CR600 allows users to test rotating machines with very high capacitances of up to 1 µF at rated frequency."

"Together with our CPC 100 multi-functional testing device, this powerful, 15 kV solution measures electrical parameters, such as insulation capacitance and power/dissipation factor, DC winding resistance and contact resistance, on every type of machine," explains Fabian. "Additionally, the system can also be used for voltage withstand tests and as a high-voltage (HV) source for partial discharge measurements on rotating machines."

Easy to transport

"All of the testing system components, including the CP TD15, CP CR600 and CPC 100, fit into a car and can be used in the field by a single person," says Fabian. "The easily transportable reactors and integrated HV source replace the need for large and heavy HV source equipment or test trailers. In addition to tests in power plants, this makes the solution ideal for testing rotating

*«In addition to tests in power plants, the easily transportable components make this solution **ideal for testing rotating machines in locations that are hard to access.**»*



Fabian Oettl
Product Manager,
OMICRON

machines in locations that are hard to access, such as crowded industrial environments or ships."

Intuitive and safe test setup

"Another advantage of the CP TD15 is its intuitive and easy connection concept that eliminates complex wiring to make testing faster than before. All modules can be placed in the working area, and a single shielded high-voltage cable safely connects the test system to the test object," Fabian describes.

"This not only enables more streamlined connections in crowded testing environments. It also allows the CP CR600 to be placed farther from the machine for

increased safety, flexibility and convenience during the measurement."

Automated control software

"Additionally, the CP TD15 solution is optimized with our Primary Test Manager (PTM) software," concludes Fabian. "It provides users with guidance throughout the entire test procedure as well as automated templates to speed up testing and reduce errors. The software also enables instant measurement analysis with real-time result graphs as well as automated reporting." ■

More information is available at:
www.omicronenergy.com/cptd15

CPC 100

Frequency: 15 Hz ... 400 Hz
Weight: 29 kg / 64 lbs



CP TD15

Voltage: 15 kV
Current: 300 mA
Weight: 24 kg / 53 lbs